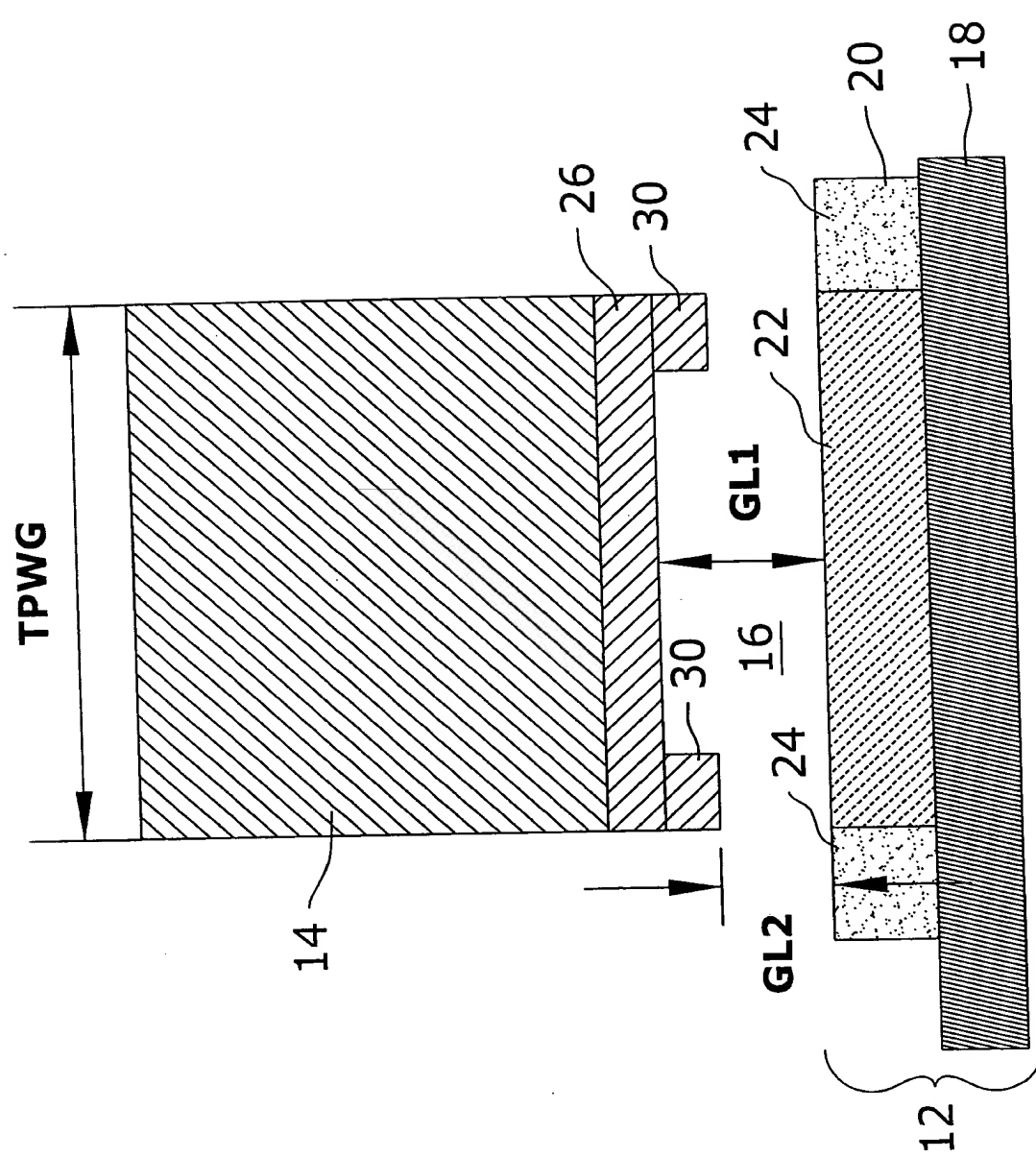


10



Magnetic or Nonmagnetic Region



Top Pole



Shared Pole



Seed Layer

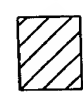
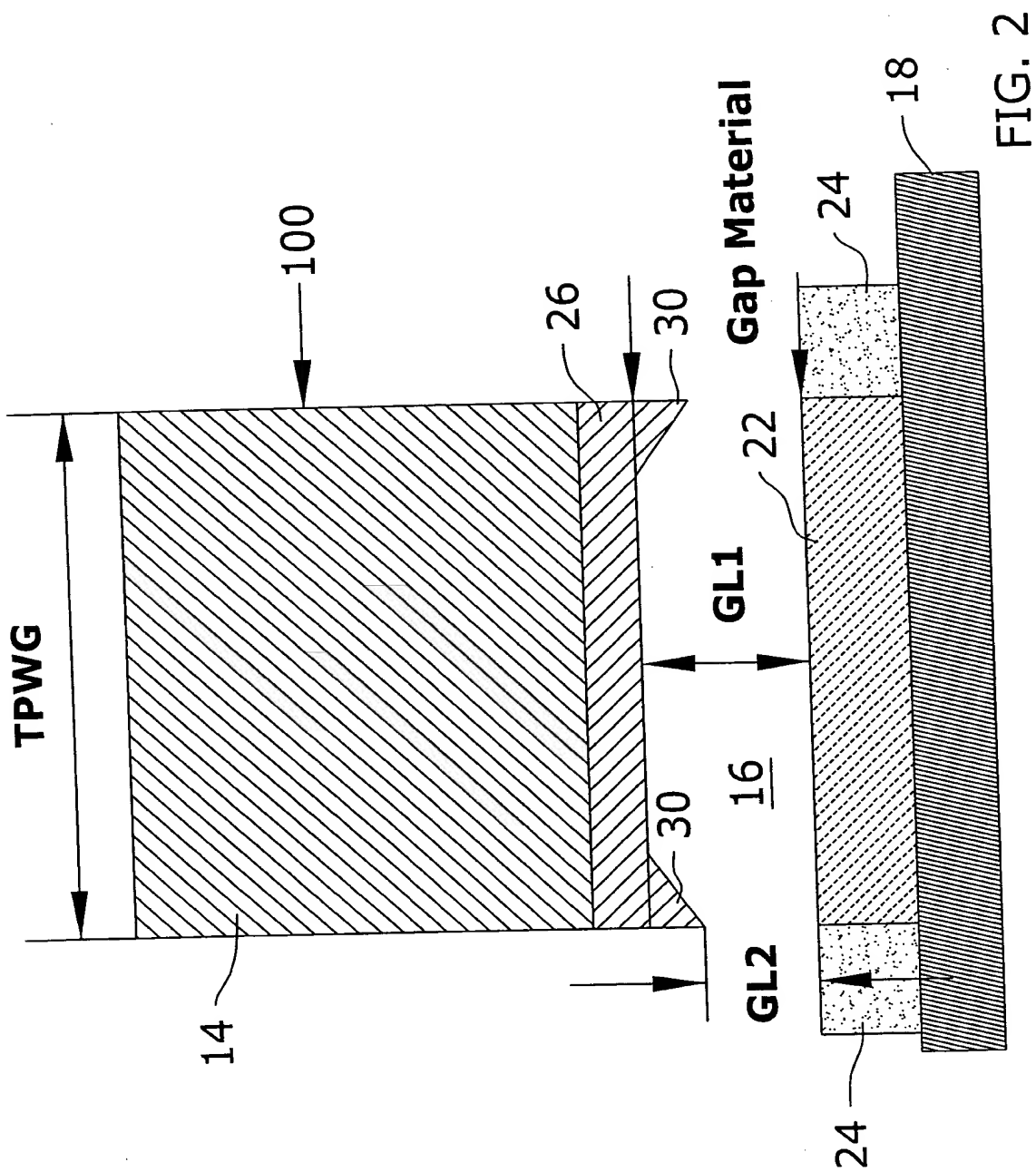


FIG. 1



U.S. PATENT & TRADEMARK OFFICE
AUG 26 2004

200

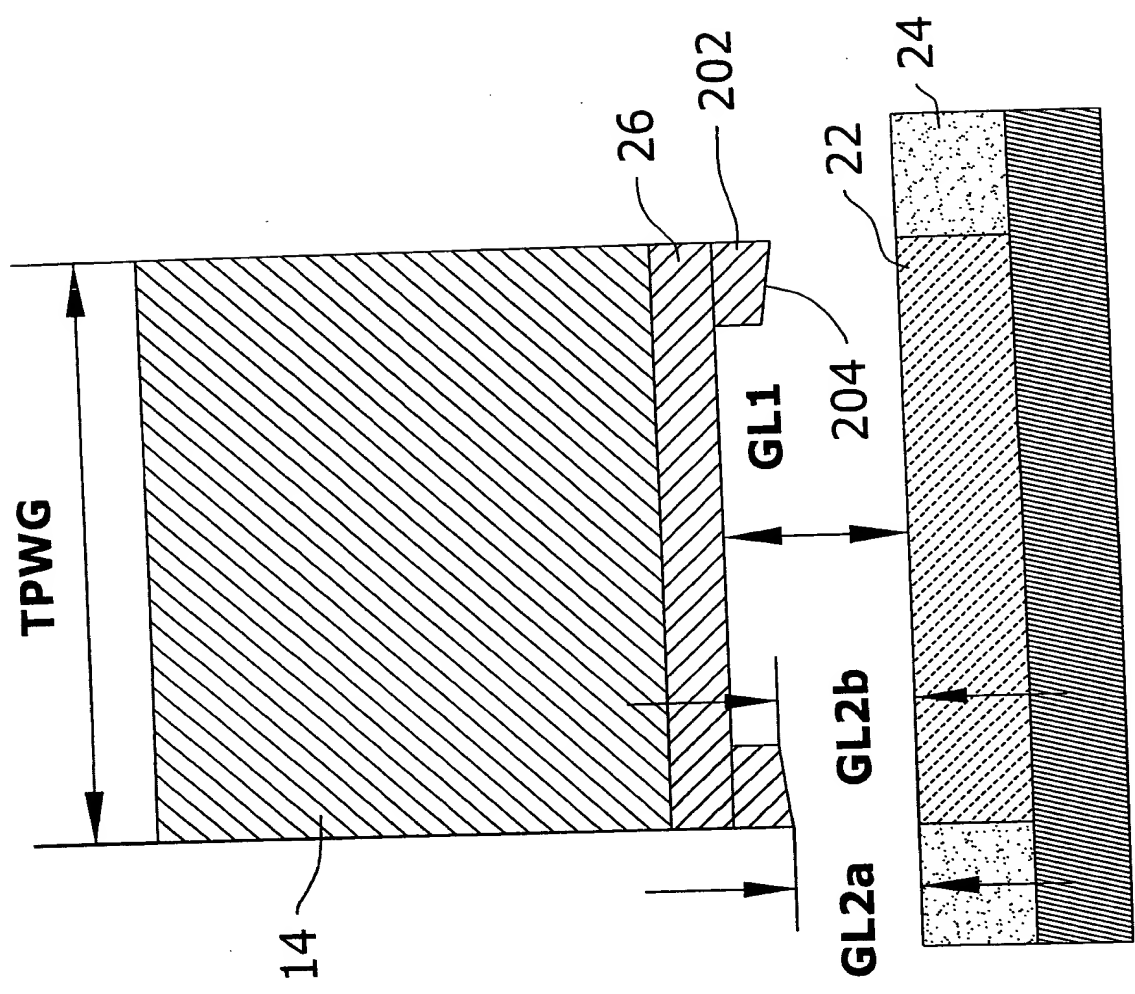


FIG. 3

OIPF JCTG
AUG 26 2004
PATENT & TRADEMARK OFFICE

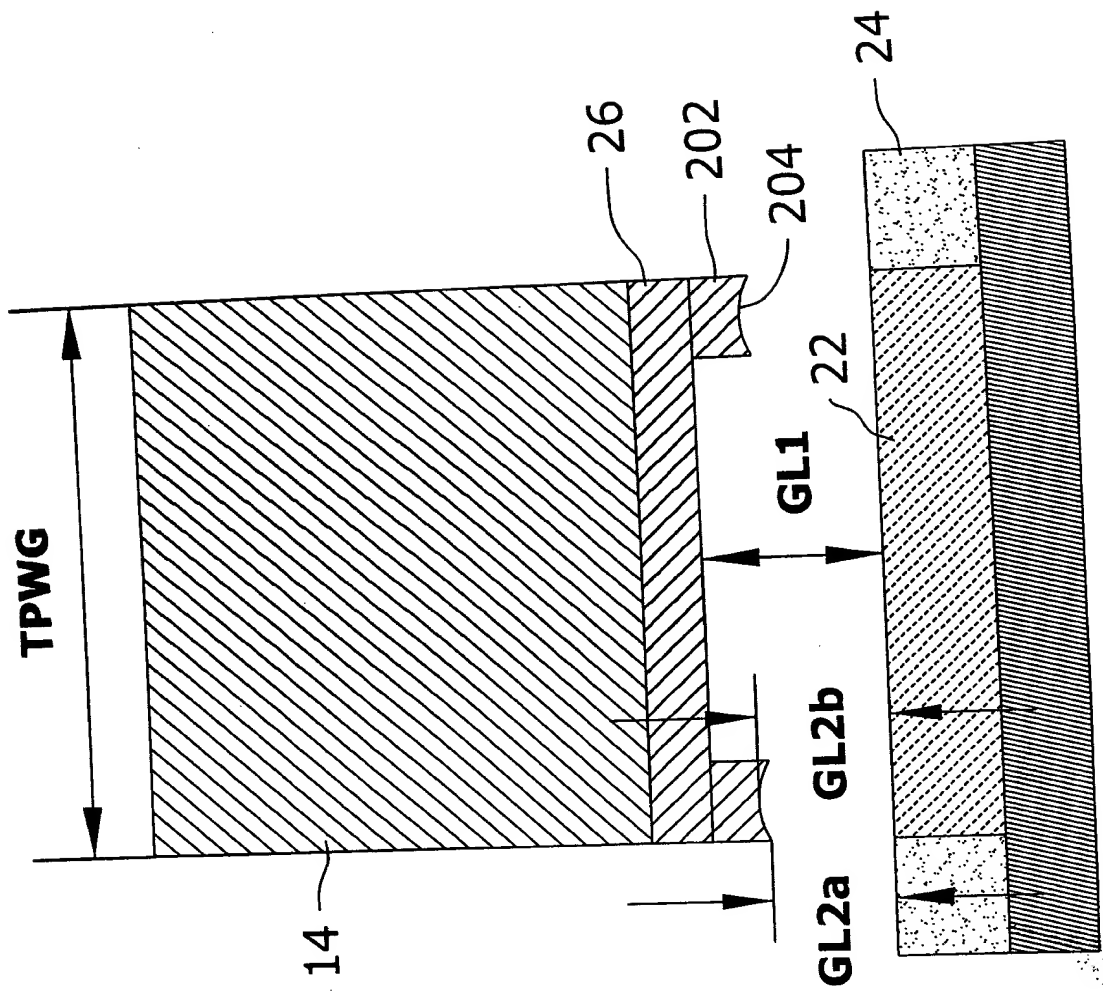


FIG. 4

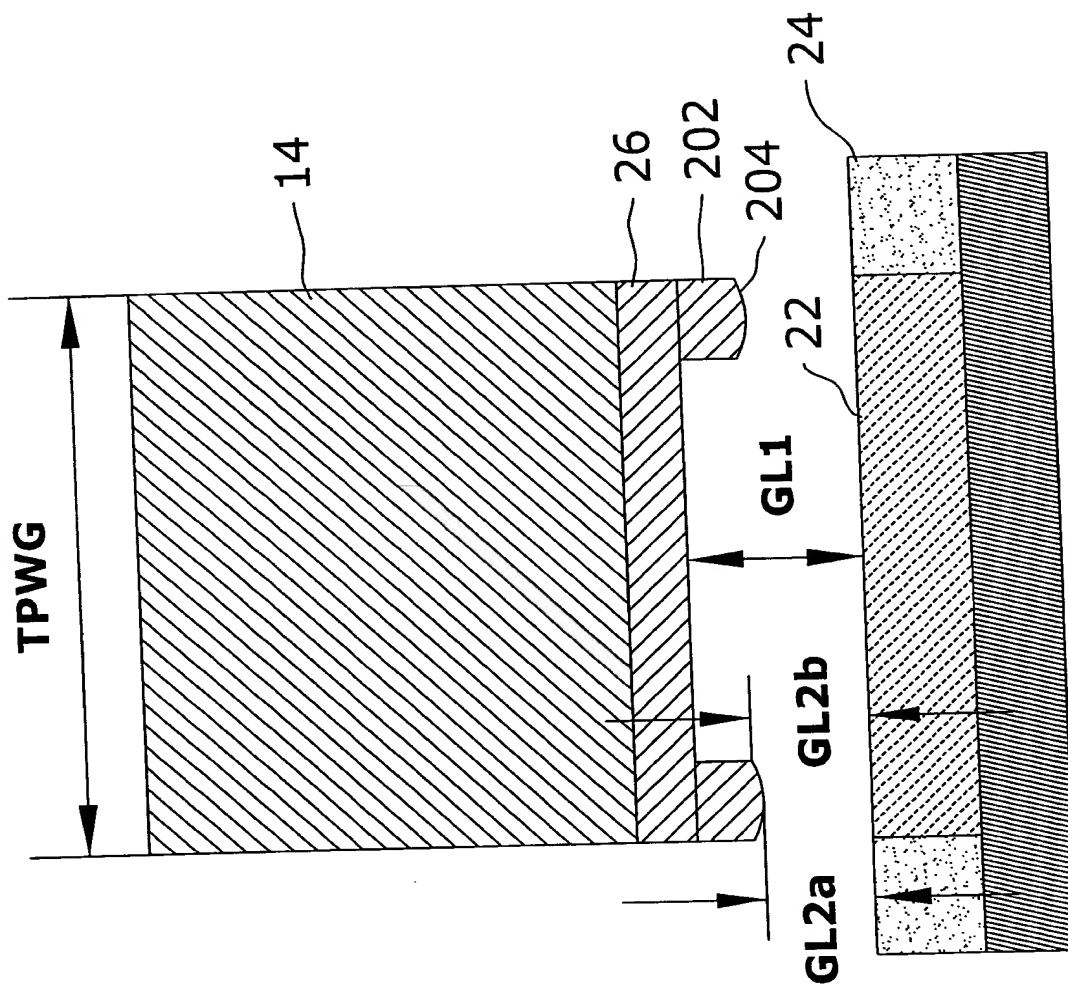


FIG. 5

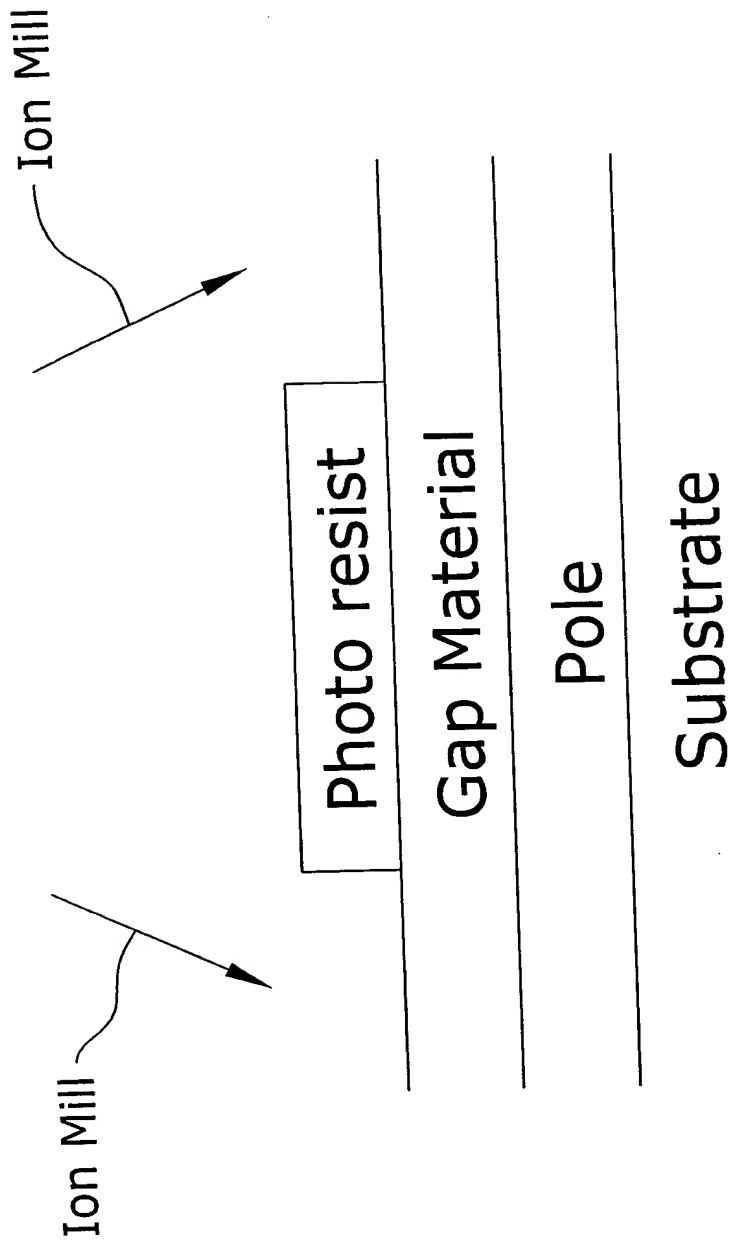


FIG. 6

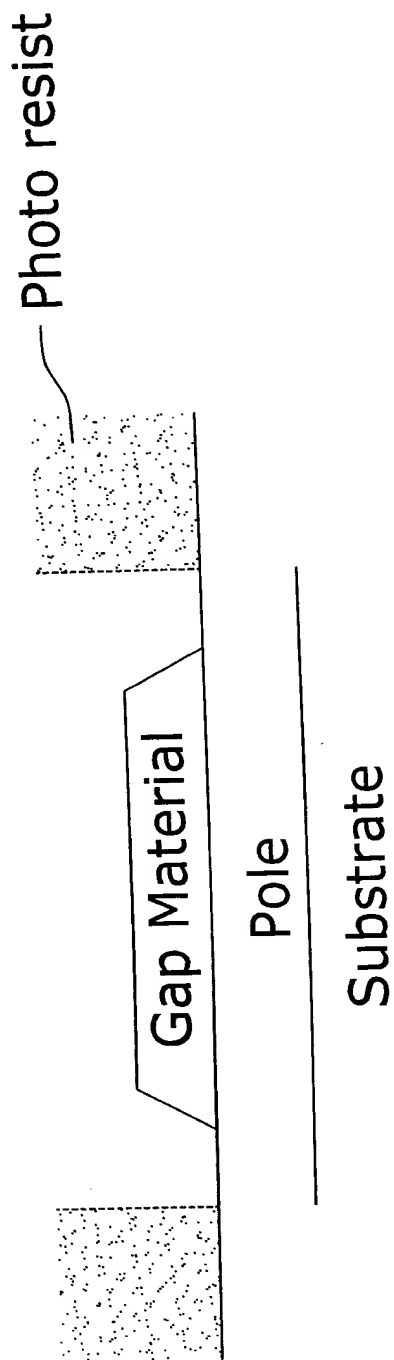


FIG. 7

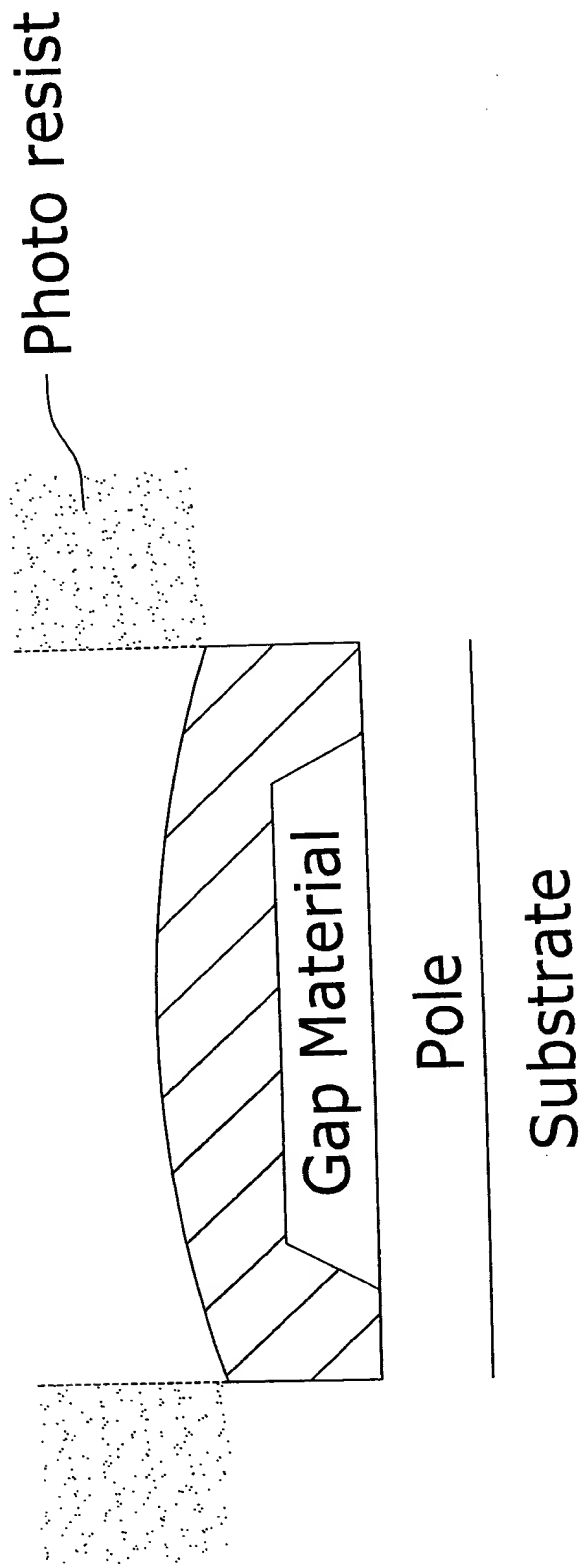


FIG. 8

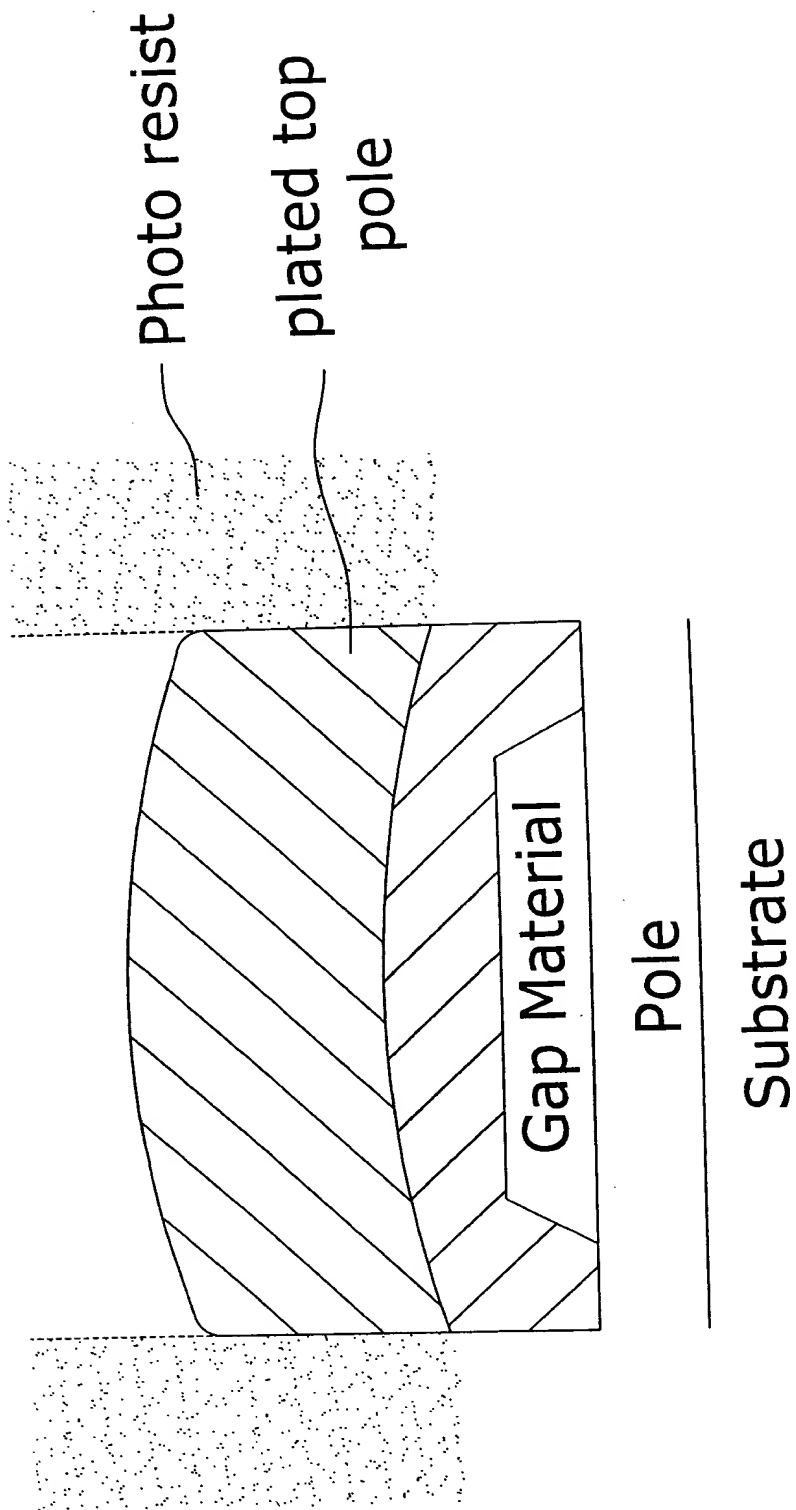


FIG. 9

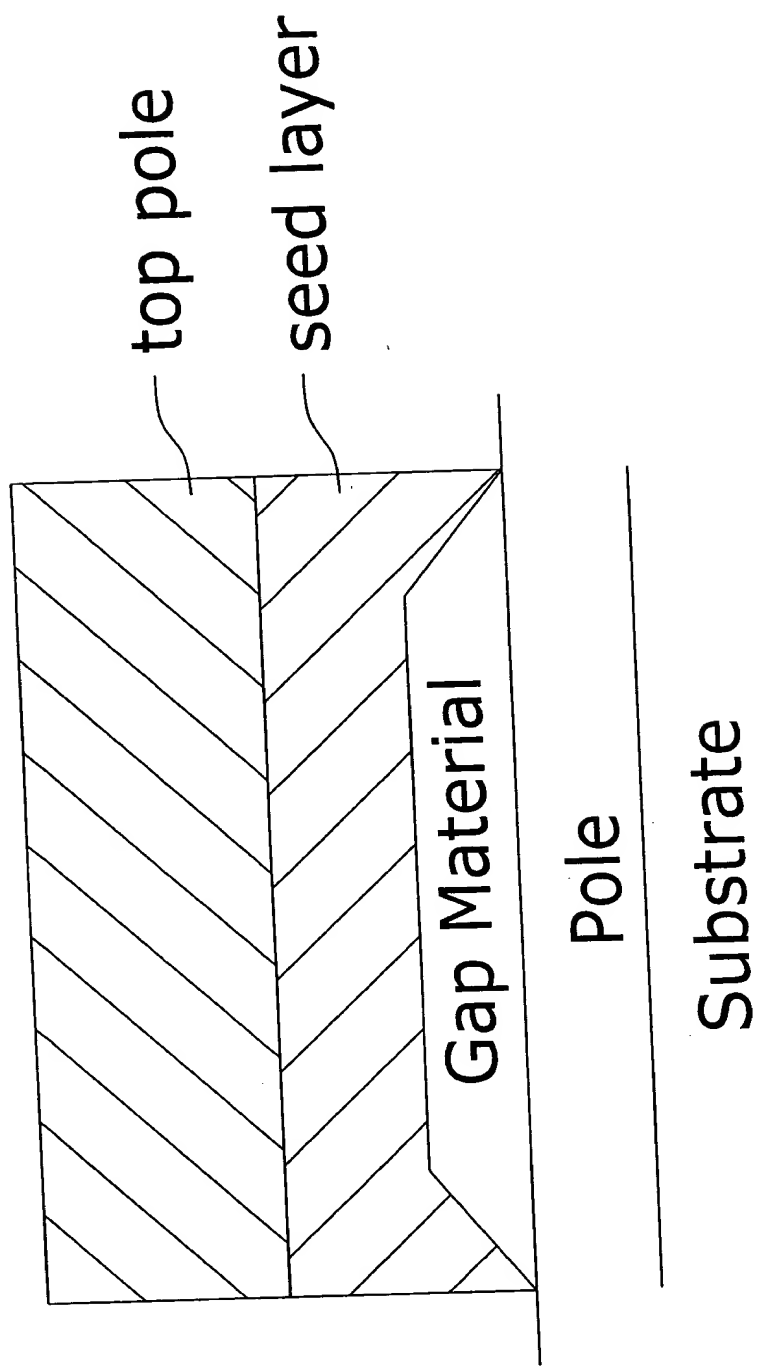


FIG. 10